

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 660081.415C1	APPLICATION NO. 09/68,816
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)		APPLICANTS Michael R. Yeaman and Alexander J. Sheer	
		FILING DATE August 25, 2000	GROUP AND UNIT 1646

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CMK	AA	5,834,430	11/10/98	Porro et al.	514	14	
CMK	AB	5,409,898	4/25/95	Darveau et al.	514	13	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
CMK	AC	WO 99/42119	8/26/99	WIPO		

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CMK	AD	'Bayer et al., "In Vitro Resistance of <i>Staphylococcus aureus</i> to Thrombin-Induced Platelet Microbicidal Protein Is Associated with Alterations in Cytoplasmic Membrane Fluidity," <i>Infection and Immunity</i> 68(6): 3548-3553, June 2000.
	AE	'Bayer et al., "Hyperproduction of Alpha-Toxin by <i>Staphylococcus aureus</i> Results in Paradoxically Reduced Virulence in Experimental Endocarditis: a Host Defense Role for Platelet Microbicidal Proteins," <i>Infection and Immunity</i> 65(11): 4652-4660, November 1997.
	AF	'Bayer et al., "In Vitro Resistance to Thrombin-Induced Platelet Microbicidal Protein among Clinical Bacteremic Isolates of <i>Staphylococcus aureus</i> Correlates with an Endovascular Infectious Source," <i>Antimicrobial Agents and Chemotherapy</i> 42(12): 3169-3172, December 1998
	AG	'Darveau et al., "Peptides Related to the Carboxyl Terminus of Human Platelet Factor IV with Antibacterial Activity," <i>Journal of Clinical Investigation</i> 90: 447-455, August 1992.
	AH	'Dhawan et al., "Influence of In Vitro Susceptibility Phenotype against Thrombin-Induced Platelet Microbicidal Protein on Treatment and Prophylaxis Outcomes of Experimental <i>Staphylococcus aureus</i> Endocarditis," <i>Journal of Infectious Diseases</i> 180: 1561-1568, 1999.
	AI	Dhawan et al., "In Vitro Resistance to Thrombin-Induced Platelet Microbicidal Protein Is Associated with Enhanced Progression and Hematogenous Dissemination in Experimental <i>Staphylococcus aureus</i> Infective Endocarditis," <i>Infection and Immunity</i> 66(7): 3476-3479, July 1998.
CMK	AJ	'Dhawan et al., "Phenotypic Resistance to Thrombin-Induced Platelet Microbicidal Protein In Vitro Is Correlated with Enhanced Virulence in Experimental Endocarditis Due to <i>Staphylococcus aureus</i> ," <i>Infection and Immunity</i> 65(8): 3293-3299, August 1997.

EXAMINER CHL/r	DATE CONSIDERED 1/4/03
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FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 660081.415C1	APPLICATION NO. 09/644,816
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)		APPLICANTS Michael R. Yeaman and Alexander Shen	
		FILING DATE August 25, 2000	GROUP ART UNIT 1646

### U.S. PATENT DOCUMENTS

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CHK	BA	Koo et al., "Staphylocidal Action of Thrombin-Induced Platelet Microbicidal Protein Is Not Solely Dependent on Transmembrane Potential," <i>Infection and Immunity</i> 64(3): 1070-1074, March 1996.
	BB	Koo et al., "The Cytoplasmic Membrane Is a Primary Target for the Staphylocidal Action of Thrombin-Induced Platelet Microbicidal Protein," <i>Infection and Immunity</i> 65(11): 4795-4800, November 1997.
	BC	Koo et al., "Membrane Permeabilization by Thrombin-Induced Platelet Microbicidal Protein 1 Is Modulated by Transmembrane Voltage Polarity and Magnitude," <i>Infection and Immunity</i> 67(5): 2475-2481, May 1999.
	BD	Klenk et al., "The Complete Genome Sequence of the Hyperthermophilic, Sulphate-Reducing Archaeon <i>Archaeoglobus Fulgidus</i> ," <i>Nature</i> 390(6658): 364-370, November 1997.
	BE	Kupferwasser et al., "Plasmid-Mediated Resistance to Thrombin-Induced Platelet Microbicidal Protein in Staphylococci: Role of the <i>qacA</i> Locus," <i>Antimicrobial Agents and Chemotherapy</i> 43(10): 2395-2399, October 1999.
	BF	Mee et al., "Design of Active Analogs of a 15-residue Peptide Using D-optimal Design, QSAR and a Combinatorial Search Algorithm," <i>Journal of Peptide Research</i> 49(1): 89-102, January 1997.
	BG	Pathak et al., "Comparison of the Effects of Hydrophobicity, Amphiphilicity, and $\alpha$ -Helicity on the Activities of Antimicrobial Peptides," <i>Proteins: Structure, Function, and Genetics</i> 22(2): 182-186, June 1995.
CHK	BH	Wu et al., "In Vitro Resistance to Platelet Microbicidal Protein Correlates with Endocarditis Source among Bacteremic Staphylococcal and Streptococcal Isolates," <i>Antimicrobial Agents and Chemotherapy</i> 38(4): 729-732, April 1994.

EXAMINER

CHK

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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
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09/648,836

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS  
Michael R. Yeaman and Alexander J. ShenFILING DATE  
August 25, 2000GROUP ART UNIT  
1646

## U.S. PATENT DOCUMENTS

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DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CMK	CA	Xiong et al., "In Vitro Antibacterial Activities of Platelet Microbicidal Protein and Neutrophil Defensin against <i>Staphylococcus aureus</i> Are Influenced by Antibiotics Differing in Mechanism of Action," <i>Antimicrobial Agents and Chemotherapy</i> 43(5): 1111-1117, May 1999.
	CB	Yeaman et al., "Partial Characterization and Staphylocidal Activity of Thrombin-Induced Platelet Microbicidal Protein," <i>Infection and Immunity</i> 60(3): 1202-1209, March 1992.
	CC	Yeaman et al., " <i>Staphylococcus aureus</i> Susceptibility to Thrombin-Induced Platelet Microbicidal Protein Is Independent of Platelet Adherence and Aggregation In Vitro," <i>Infection and Immunity</i> 60(4): 2368-2374, June 1992.
	CD	Yeaman et al., "Platelet Microbicidal Protein Enhances Antibiotic-Induced Killing of and Postantibiotic Effect in <i>Staphylococcus aureus</i> ," <i>Antimicrobial Agents and Chemotherapy</i> 36(8): 1665-1670, August 1992.
	CE	Yeaman et al., "Thrombin-Induced Rabbit Platelet Microbicidal Protein Is Fungicidal In Vitro," <i>Antimicrobial Agents and Chemotherapy</i> 37(3): 546-553, March 1993.
	CF	Yeaman et al., "Resistance to Platelet Microbicidal Protein Results in Increased Severity of Experimental <i>Candida albicans</i> Endocarditis," <i>Infection and Immunity</i> 64(4): 1379-1384, April 1996.
	CG	Yeaman et al., "Platelet Microbicidal Proteins and Neutrophil Defensin Disrupt the <i>Staphylococcus aureus</i> Cytoplasmic Membrane by Distinct Mechanisms of Action," <i>The Journal of Clinical Investigation</i> 101(1): 178-187, January 1998.
CMK	CH	Yeaman et al., "Fluconazole and Platelet Microbicidal Protein Inhibit <i>Candida</i> Adherence to Platelets In Vitro," <i>Antimicrobial Agents and Chemotherapy</i> 38(7): 1460-1465, July 1994.

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APPLICANTS

Michael R. Yeaman and Alexander Shen

FILING DATE

August 25, 2000

GROUP ART. 1

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## U.S. PATENT DOCUMENTS

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CRK	DA	Yeaman et al., "Platelet Microbicidal Protein Alone and in Combination with Antibiotics Reduces <i>Staphylococcus aureus</i> Adherence to Platelets In Vitro," <i>Infection and Immunity</i> 62(8): 3416-3423, August 1994.
	DB	Yeaman et al., "Purification and In Vitro Activities of Rabbit Platelet Microbicidal Proteins," <i>Infection and Immunity</i> 65(3): 1023-1031, March 1997.
	DC	Yeaman, M., "The Role of Platelets in Antimicrobial Host Defense," <i>Clinical Infectious Diseases</i> 25: 951-968, 1997.
	DD	Yeaman et al., "Structural Correlates in Mechanisms of Cationic Antimicrobial Peptide Action," <i>Presented at the 38th ICAAC, San Diego, California, September 24-27, 1998.</i>
	DE	Yeaman et al., "Platelet Microbicidal Proteins (PMPs) Differentially Depolarize and Permeabilize the <i>Staphylococcus aureus</i> Cytoplasmic Membrane to Effect Microbicidal Activity In Vitro," <i>Presented at the 97th ASM General Meeting, Miami Beach, Florida, May 4-8, 1997.</i>
	DF	Tang et al., "Microbicidal and Synergistic Activities of Human Platelet Factor-4 (hPF-4) and Connective Tissue Activating Peptide-3 (CTAP-3)," <i>Presented at the 37th Annual Meeting of the American Society of Hematology, Seattle, Washington, December 1-5, 1995.</i>
CRK	DG	Tang et al., "Purification Characterization and Antimicrobial Properties of Peptides Released From Thrombin-Induced Human Platelets," <i>Presented at the 37th Annual Meeting of the American Society of Hematology, Seattle, Washington, December 1-5, 1995.</i>

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